



CofC

May 21, 2004

To: Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attn: Publishing Division  
Certificate of Correction Branch

From: George O. Saile, Reg. No. 19,572  
28 Davis Avenue  
Poughkeepsie, N.Y. 12603

Subj: Serial No. 09/998,787 F/D 10/31/01  
Patent No. 6,734,101 Issued 5/11/04  
Inventor: Tien-I Bao, Shwang-Ming Jeng, Syun-Ming Jang, Chen-Hua Yu,  
Kuen-Chyr Lee

Certificate  
JUN 01 2004  
of Correction

#### REQUEST FOR CERTIFICATE OF CORRECTION

Dear Sir:

Pursuant to 37 C.F.R. 1.322, a Certificate of Correction is requested for the above identified issued US Patent.

Due to an Office mistake, the second inventor's name was reproduced incorrectly on the cover sheet. The complete and correct second inventor's name and residence is -- Shwang-Ming Jeng, Hsin-Chu (TW)--. It is clear the mistake was made by the Office because the second inventor's name was correct on the Issue Notification, Notice of Recordation, Assignment and Corrected Filing Receipt, as amended by the Examiner.

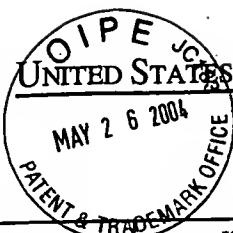
Copies of the Forms are attached.

Form PTO-1050 has been completed, as required by MPEP S1485, indicating the correction to the second inventor's name. No fee is included since this error was due to an Office mistake. Please issue the Certificate of Correction to correct this error.

If there are any questions, please contact the undersigned attorney at (845) 453-5863. Thank you for your attention to this matter.

Respectfully submitted,

  
Stephen B. Ackerman, Reg. No. 37,761



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/998,787	05/11/2004	6734101	TS00-863	8702

28112 7590 04/22/2004

GEORGE O. SAILE & ASSOCIATES  
28 DAVIS AVENUE  
POUGHKEEPSIE, NY 12603

## ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

### Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 68 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

### APPLICANT(S):

Tien-I Bao, Hsin-Chu, TAIWAN;  
Shwang-Ming Jeng, Hsin-Chu, TAIWAN;  
Syun-Ming Jang, Hsin-Chu, TAIWAN;  
Chen-Hua Yu, Hsin-Chu, TAIWAN;  
Kuen-Chyr Lee, Hsin-Chu, TAIWAN;



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

SEP. 05 2003

SEPTEMBER 02, 2003

PTAS

Deputy Under Secretary of Commerce For Intellectual Property and  
Deputy Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

GEORGE O. SAILE  
28 DAVIS AVENUE  
POUGHKEEPSIE, NY 12603

T560-863



\*102412845A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY  
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/02/2003

REEL/FRAME: 013920/0248  
NUMBER OF PAGES: 6

BRIEF: REQUEST TO CORRECT RECORDATION REEL 012345 / FRAME 0876

ASSIGNOR:  
BAO, TIEN-I

DOC DATE: 10/02/2001

ASSIGNOR:  
JENG, SHWANG-MING

DOC DATE: 10/02/2001

ASSIGNOR:  
JANG, SYUN-MING

DOC DATE: 10/02/2001

ASSIGNOR:  
YU, CHEN-HUA

DOC DATE: 10/02/2001

ASSIGNOR:  
LEE, KUEN-CHYR

DOC DATE: 10/02/2001

ASSIGNEE:  
TAIWAN SEMICONDUCTOR MANUFACTURING  
COMPANY  
121 PARK AVE. 3  
SCIENCE-BASED INDUSTRIAL PARK  
HSIN-CHU, TAIWAN R.O.C.

For  U.S. and/or  Foreign Rights

For  Application or  U.S. Patent

By  Inventor(s) or  Present Owner

### ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

#### ASSIGNOR:

Tien I Bao

Type or print name of ASSIGNOR

Tien -I Bao

Address

183. Nam-Kung Rd. Hsin-Chu

Taiwan, R.O.C.

Nationality

Shwang Ming Jeng

Type or print name of ASSIGNOR

Jeng Shwang Ming

9F, No.19, Alley 22nd, Nan-chung ST. Hsin-Chu

R.O.C.

Nationality

Syun-Ming Jang

Type or print name of ASSIGNOR

7F, 81 N. Kuan-Hua St.

Address

Hsin-Chu, Taiwan, ROC

Republic of China

Nationality

Chen-Hua Yu

Type or print name of ASSIGNOR

3F, Waterfront Road 2

Address

Hsin-Chu, Taiwan

Republic of China

Nationality

#### ASSIGNEE:

**Taiwan Semiconductor Manufacturing Co. Ltd.**

**121 Park Ave. 3**

**Science-Based Industrial Park**

**Hsin-Chu, Taiwan, R.O.C.**

**Taiwan, R.O.C.**

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest

an undivided \_\_\_\_\_ percent (\_\_\_\_%) interest for the United States and its territorial possessions  
(check the following box if foreign rights are also to be assigned)

and in all foreign countries

in and to any and all improvements which are disclosed in the invention entitled:

**A Solution To The Problem Of Copper Hillcocks**

MAR. 16 2002



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/998,787	10/31/2001	2812	902	TS00-863	3	29	3

**CONFIRMATION NO. 8702**  
**CORRECTED FILING RECEIPT**

STEPHEN B. ACKERMAN  
 20 MCINTOSH DRIVE  
 POUGHKEEPSIE, NY 12603



\*OC000000007564642\*

Date Mailed: 03/01/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Tien-I Bao, Hsin-Chu, TAIWAN;  
 Shwang-Ming Jeng, Hsin-Chu, TAIWAN;  
 Syun-Ming Jang, Hsin-Chu, TAIWAN;  
 Chen-Hua Yu, Hsin-Chu, TAIWAN;  
 Kuen-Chyr Lee, Hsin-Chu, TAIWAN;

**Assignment For Published Patent Application**

Taiwan Semiconductor Manufacturing Company;

**Domestic Priority data as claimed by applicant****Foreign Applications**

If Required, Foreign Filing License Granted 12/20/2001

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

**Title**

Solution to the problem of copper hillocks

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.  
(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : US6,734,101

DATED : 5/11/04

INVENTOR(S) : Tien I. Bao, Shwang-Ming Jeng, Syun-Ming Jang, Chen- Hua Yu,  
Kuen-Chyr Lee

It is certified that error appears in the above-identified patent and that said Letters Patent  
is hereby corrected as shown below:

On the Title Page, in item (75), delete "Jeng Shwang-Ming, Hsin-chu (TW)", and replace  
with --Shwang-Ming Jeng, Hsin-Chu (TW)--.

MAILING ADDRESS OF SENDER:

George O. Saile & Associates  
28 Davis Avenue  
Poughkeepsie, NY 12603

PATENT NO. US6,734,101

No. of additional copies



Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

- 2 JUN 2004

# DUPLICATE

PTO/SB/44 (02-01)

Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.  
(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : US6,734,101

DATED : 5/11/04

INVENTOR(S) : Tien I. Bao, Shwang-Ming Jeng, Syun-Ming Jang, Chen- Hua Yu,  
Kuen-Chyr Lee

It is certified that error appears in the above-identified patent and that said Letters Patent  
is hereby corrected as shown below:

On the Title Page, in item (75), delete "Jeng Shwang-Ming, Hsin-chu (TW)", and replace  
with --Shwang-Ming Jeng, Hsin-Chu (TW)--.

MAILING ADDRESS OF SENDER:

George O. Saile & Associates  
28 Davis Avenue  
Poughkeepsie, NY 12603

PATENT NO. US6,734,101

No. of additional copies



Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

2 JUN 2004